



MAHARASHTRA STATE ELECTRICITY TRANSMISSION COMPANY LIMITED

CIN U40109MH2005SGC153646

Prakashganga, 4th floor/ 'A' Wing, Plot C -19, E - block,
BKC, Bandra (E), Mumbai:-51

Executive Summary

1. Background:

- 1.1 Maharashtra State Electricity Transmission Company Limited (MSETCL) is a State Transmission Utility (hereinafter referred to as 'STU') with a responsibility of planning, developing, operating and maintaining the State Transmission System to facilitate transmission of electricity from its source to load centers. Maharashtra State Electricity Transmission Company Limited (MSETCL) was incorporated under the provisions of the Companies Act, 1956.
- 1.2 Maharashtra State Electricity Transmission Company Limited was designated State Transmission Utility by the State Government vide Section 131 and Section 39 of the Electricity Act, 2003.
- 1.3 In line with the functions mentioned above, STU intends to discharge its duty by analyzing the Transmission Cost of the Intra state Transmission System in the state and apportion the costs to the users appropriately, in line with the Maharashtra Electricity Regulatory Commission (MYT) Regulations, 2019.
- 1.4 MERC (MYT) Regulations, 2019 govern the Tariff determination for the fourth control period from FY 2020-21 to FY 2024-25, Regulations 64, 65 and 66 of the same dictate the methodology and principles for determination of Transmission Tariff for the use of the Intra-State Transmission System (hereinafter referred to as 'InSTS').
- 1.5 The Hon'ble Commission has previously notified Transmission Tariff of InSTS Transmission System for 3rd Control Period FY 2016-17 to FY 2019-20 in its Order in Case No. 91 of 2016. It further modified the Transmission Tariff for FY 2018-19 and FY 2019-20 vide its Order in Case No. 265 of 2018 dated 12 September 2018.

2. Present Petition:

- 2.1 The present petition is regarding approval of the In-STS transmission tariff forecast for Long term, Medium-term and Short-term transmission system users for FY 2020-21 to FY 2024-25 according to the principle of the Commission set out in MERC (MYT) Regulations, 2019.

Table 1: Summary of Base TCR, TTSC Long-term, Medium-term and Short-term transmission tariff

Particulars	Units	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25
Total Transmission System Cost (TTSC)	Rs. Crore	12,260.56	7,543.15	7,949.73	8,668.61	9,414.99
Base Transmission Capacity Rights	MW	22,154.87	23,304.08	24,513.51	25,787.70	27,130.23
Transmission Tariff (long term/ medium term)	Rs./kW/month	461.17	269.74	270.25	280.13	289.19
Transmission Tariff (short term/ short term collective/ renewable energy)	Rs./kWh	0.77	0.46	0.47	0.49	0.52
Energy Units Transmitted (Discom Projections)	MUs	1,59,700.93	1,65,005.11	1,70,597.45	1,76,498.51	1,82,734.64

2.2 TTSC of InSTS for FY 2020-21 to FY 2024-25

According to the transmission pricing framework, all the Transmission Licensees in the State form part of the InSTS, and their projected Aggregate Revenue Requirements (ARRs) for FY 2020-21 to FY 2024-25 are being considered for determining the TTSC.

Table 2: Aggregate Revenue Requirement of Transmission Licensees & TTSC

Particulars	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25
	Annual	Annual	Annual	Annual	Annual
MSETCL	8,591.84	4,775.02	4,977.54	5,101.41	5,250.37
ATIL	266.97	114.98	110.42	105.86	101.37
MEGPTCL	1,857.00	1,050.75	1,013.96	977.34	940.90
VIPL-T	2.27	4.07	3.93	3.79	3.66
AEML-T	401.63	550.65	723.94	1,298.06	1,883.17
TPC-T	959.29	928.06	1,004.66	1,071.96	1,129.62
JPTL	96.87	72.92	70.24	66.81	64.15
APTCL	84.69	46.70	45.04	43.38	41.75
Total	12,260.56	7,543.15	7,949.73	8,668.61	9,414.99

2.3 Proposed Sharing of TTSC among the TSUs

The share of the TTSC by the long-term Transmission System Users shall be in the proportion of Base Transmission Capacity Rights of each Transmission System User to the total Base Transmission Capacity Rights allotted in the intra-State transmission system.

Table 3: Annual Sharing of Total Transmission System Cost (TTSC) among Transmission System Users (TSU)

Particulars	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25
	Annual	Annual	Annual	Annual	Annual
MSEDCL	10,293.78	6,352.56	6,715.36	7,344.34	7,999.76
TPCL-D	452.18	271.71	279.67	297.82	315.86
AEML-D	835.32	507.05	527.21	567.14	607.62
BEST	458.19	274.09	280.85	297.73	314.36
Indian Railways (DDL)	207.58	128.91	137.13	150.92	165.42
MBPPL (DDL)	7.25	4.25	4.26	4.42	4.57
Gigaplex (DDL)	3.22	2.01	2.14	2.37	2.61
Nidar Utilities	0.27	0.16	0.16	0.16	0.17
KRCIPPL	2.77	2.43	2.95	3.70	4.62
Total	12,260.56	7,543.15	7,949.73	8,668.61	9,414.99